

6 monitoring if correct reception of the transmitted units  
7 occurred; and

8 transmitting second information units associated with the first  
9 information units, for which first information units the monitoring  
10 did not indicate correct reception occurred, at a second power level  
11 which is greater than the first power level, the second information  
12 units allowing the content of the first information units to be  
13 established;

14 wherein the first power level is selected to increase a  
15 probability of failed first information units transmission and of  
16 consequent second information units transmission and to minimize  
17 average power consumption taking into account the first power level  
18 and the second power level, said first power level being the lowest  
19 level to correspond to a maximum allowable probability of failed  
20 first information units transmission and said consequent second  
21 information units transmission.

12. (Twice Amended) A digital wireless communications system

comprising:

at least one transmitter having means for transmitting first  
information units at a first power level;

at least one receiver having means for receiving the  
transmitted information units;

control means for controlling the transmitter output power; and  
monitoring means for monitoring if correct reception of the  
transmitted units occurred at the receiver,

wherein the transmitting means transmits second information  
units associated with the first information units for which first  
information units the monitoring means does not indicate correct  
reception has occurred, the second information units being  
transmitted at a second power level that is greater than the first  
power level, the second power level being selected by the control  
means, and wherein the second information units allow the content of  
the first information units to be established, and

wherein the control means selects the first power level to  
control the average power consumption of the transmitter in order to  
increase a probability of failed first information units  
transmission and of consequent second information units transmission  
and to minimize average power consumption taking into account the  
first power level and the second power level.

13. (Twice Amended) A transmitter station for digital wireless  
transmission of traffic information to a receiver, said transmitter  
station comprising:

a transmitter for transmitting first information units at a  
first power level;

6 control means for controlling the transmitter output power; and  
7 monitoring means for monitoring if correct reception of the  
8 transmitted units occurred at the receiver,

9 wherein the transmitter transmits second information units  
10 associated with the first information units for which first  
11 information units the monitoring means does not indicate correct  
12 reception has occurred, the second information units being  
13 transmitted at a second power level that is greater than the first  
14 power level, the second power level being selected by the control  
15 means, and wherein the second information units allow the content of  
16 the first information units to be established, and

17 wherein the control means selects the first power level to  
18 control the average power consumption of the transmitter in order to  
19 increase a probability of failed first information units  
20 transmission and of consequent second information units transmission  
21 and to minimize average power consumption taking into account the  
22 first power level and the second power level.

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1 14. (Once Amended) A method of transferring traffic  
2 information in units over a wireless digital communications link  
3 between a transmitting station and a receiving station comprising  
4 the steps of:  
5 transmitting first information units at a first power level;

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6 monitoring if correct reception of the transmitted units  
7 occurred; and  
8 transmitting second information units associated with the first  
9 information units, for which first information units the monitoring  
10 did not indicate correct reception occurred, at a second power level  
11 which is greater than the first power level, the second information  
12 units allowing the content of the first information units to be  
13 established;  
14 wherein the first power level is selected to control the  
15 average power consumption of the transmitting station in order to  
16 increase a probability of failed first information units  
17 transmission and of consequent second information units transmission  
18 and to minimize average power consumption taking into account the  
19 first power level and the second power level.

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1 --15. (New) A transmitter station comprising:  
2 a transmitter which transmits first information at a first  
3 power level and transmits second information which include at least  
4 portions of said first information at a second power level upon  
5 indication that said at least portions have not been correctly  
6 received by a receiver, said second power level being greater than  
7 said first power level; and